

University of Groningen

Scientific Writing in Undergraduate Science Curricula

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DOI:
[10.33612/diss.145239082](https://doi.org/10.33612/diss.145239082)

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version
Publisher's PDF, also known as Version of record

Publication date:
2020

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):
Lammers, A. (2020). *Scientific Writing in Undergraduate Science Curricula: Reading and Analyzing Research Articles to Support Physics and Biology Students' Written Argument Construction*. [Thesis fully internal (DIV), University of Groningen]. University of Groningen. <https://doi.org/10.33612/diss.145239082>

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Propositions to accompany the PhD thesis

Scientific Writing in Undergraduate Science Curricula

Reading and Analyzing Research Articles to Support Physics and
Biology Students' Written Argument Construction

by Annelotte Lammers

1. Practice in reading and analyzing research articles with the use of the Scientific Argumentation Model helps undergraduate science students to construct a written argument (this thesis).
2. A dialogue between students about rhetorical moves in research articles is a necessary component of a genre approach to enhance their reading and writing (this thesis).
3. Universities only deserve to be called “research universities” when scientific reading and writing activities have a central role in undergraduate curricula.
4. Integrating writing instruction in courses of undergraduate science programs requires mutual alignment, collaboration, and coordination by a driven group of faculty members.
5. Reading pleasure is key in developing literacy skills.
6. Adults should read more often children books.
7. A PhD thesis is a text genre that is written without being fully read.